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ABSTRACT

The Chicago Careers for Youth Program facilitates visits by persons working in various career clusters to classrooms to explain their jobs and the qualifications for them. The visitors serve as role models for the youth with whom they interact. The program is based on 16 career clusters that were defined by several hundred persons with careers in the clusters. Videotapes, wall charts, and booklets for each cluster were produced under contract with the state of Illinois. However, the essence of the program is appearances and presentations of the role models to the students. The school-based activity is planned in three phases: (1) career awareness--in sixth and seventh grade, students are visited by role models from eight of the clusters each year, and teachers use follow-up instructional materials; (2) career exploration--before eighth grade, students select the cluster of greatest interest to them, attend a half-day program introducing the cluster, and hear presentations from high schools about their programs and facilities; and (3) career development--three to nine high schools focus on one or more occupational clusters, present a related curriculum, and support networking with business contacts; students choose one of the high schools based on the cluster of their choice. The program is expected to be implemented in sixth through eighth grades in Chicago schools in the next 2 years, and later in the high schools. (The document includes a description of the program, a graphic depiction of the chronology of activities, and 4-year program charts for the 16 career clusters.) (KC)

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Chicago Careers For Youth

An Idea Whose Time Has Come

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March, 1989

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WHAT'S THE IDEA?

"Capture their hearts and their minds will follow"

The goal of the entire educational process is, or should be, to serve the needs of the students. If these needs are served, all of society and its institutions will be served as well, in many ways.

The historic structure and content of educational institutions and their programs including the concept of maximizing local control, are "givens" as far as Chicago Careers for Youth is concerned.

At the elementary school level, the time taken from traditional classes by this program is no more than a dozen hours per year, a drop in the bucket compared to the benefits obtained by the students. Eight role models speak to sixth, and eight to seventh grade classes, about careers in the sixteen career clusters which characterize our economic system. Each cluster includes organizations and jobs that provide goods and services to serve human needs of a particular type, such as Health Care, Transportation, Education, etc.

Each cluster or organization is viewed as a team, not a traditional hierachical system. There are no white-collar/blue collar differentiations, recognizing the new concept of education as a life long process. Nor is any recognition given to win-lose, zero-sum economic activity.

Role models, who are eager to talk to the young people, are not structural authority figures, as are parents and teachers. Therefore, they are more believable to the students. They bring a message about the real world outside that is often largely ignored in traditional academic course work. In the real world, opportunity abounds, if each person is prepared by his or her education to join the economic process as a productive person in a satisfying career. Entrepreneurship is emphasized. Sweat equity is a way anyone can create a lifestyle which is as exciting as each person wants and is willing to work for by being productive in a free market.

Role models have something else going for them - they wouldn't be willing to visit the schools in the first place if they didn't love kids. In this age of split families, child abuse and teachers who can't wait to get home, the role models are a breath of fresh air to the pathetic lives of young people in urban centers. Furthermore, the same process has almost as many benefits to suburban students.

And finally, its free - something novel in this day of demands for billions of dollars to support education.

Chicago Careers for Youth
April 5. 1989

WHAT'S THE PROCESS?

How do we get there from here?

Frequently. specific schools have a process of getting speakers into classrooms. but more typically it is the whim of the individual teacher that is the sole determinant of such role models. Seldom is the program broad enough to encompass the entire economic system. or even concerned at all with careers. Educator's frequently have the bad habit of assuming that a good academic education is all that is required to prepare a student for any career - ignoring the prerequisites that students must take in high school. for admission into certain institutions of higher learning which teach engineering. medicine. and science.

Dr. Stanley Ikenberry. President of the University of Illinois. explicitly suggested the need for such a program in the following excerpt:

> "We must face the truth: the quality of the early school years is critical to later academic and career choice. When those of us in higher education discuss the problem of under-representation of minorities in the quantitative disciplines. we must raise our sights to the elementary school levels and earlier years: we must look at the home: we must examine the role models we provide: the encouragement we give: and the performance we expect. To influence the minority students entering college in the year 2000. we must move today to the elementary and secondary schools and forge alliances."

The Chicago Careers for Youth Program is based on sixteen career clusters which were defined by several hundred persons with careers in the clusters. Video tapes. wall charts and booklets for each cluster were produced under contract with the State of Illinois. However. the essence of the program is through appearances and presentations of the role models talking to the students. While this represents an intrusion into the traditional impenetrable Ivory Tower concept of schools as the private property of teachers. there really is no better way of helping students set their career goals earlier enough to permit them to adequately prepare for the career of their choice.

The current program. is not yet in a steady state condition in Chicago. It will take two years to achieve such a state in all of the sixth. seventh and eighth grades in all five hundred elementary schools in Chicago.

In sixth grades. all students in the 146 schools this school year. will hear eight speakers and view eight videotapes. on the following clusters:

Agriculture
Arts Culture and Religion
Built Environment
Communications
Education
Energy
Finance
Government

Then. the next year. the students in the 146 elementary schools. then seventh graders will view eight more tapes and hear eight speakers from the following clusters:

Health Care
Hospitality
Insurance
Manufacturing
Natural Resources
Personal and Business Services
Retailing and Wholesaling
Transportation

Ideally. the speaker's cluster should bear a relationship to current course work each month. Infusion into the curriculum thusly can add an additional dimension to the effectiveness of the program. in improving academic achievements by relating them to functional applications in the real world. In fact. the program essentially is an introduction to functional intelligence. as a somewhat different type of intelligence than academic intelligence achieved with mastery of traditional course work. which tends to emphasize memory rather than problem solving ability.

After the seventh graders have completed their exposure to the sixteen role models. and viewed the videotapes. which characterize the entire cluster in a unique but goal oriented way. with the emphasis on human needs. then the students should be asked to rate the sixteen clusters in the order of their interest. or more constructively. just the top choice or top three choices. The school system should then list each graduating seventh grader on a computer - based network. to permit a continuing support system for 100% of the students after seventh grade. This is not an elitist program to attract only bright students. but is democratic in support for all students. to help them achieve as much as they can or want to.

In eighth grade. a career exploration program for each cluster will be scheduled. with only those students who themselves selected the cluster in attendance at each of these. Thus the process stimulates the individual student to the functional intelligence of decision - making. a maturing process.

These "Career Days" for each cluster would involve perhaps eight or ten speakers whose careers are each a part of the cluster team. Exhibits would be on hand regarding the human needs served by jobs in the cluster. emphasizing. of course. exciting. and new activities and accomplishments. Creative and entrepreneurial aspects should be emphasized. Industry leaders are eager to speak at such programs. as are leaders of educational institutions. Information on high school electives relevant to each cluster would be made available. Existing electives in Chicago Public Schools range from thirteen for the Agriculture Cluster. to thirty-nine for the Communications Cluster. Also. certain high schools might specialize in specific clusters and students can apply for admission to that high school. Persons from the world of work could continue to be supportive of the students' needs. including monthly lectures. part time and summer jobs. Promises of internships. scholarships. and permanent jobs after graduation might be forthcoming from whatever top level of education and training the student achieves. with a door always open for continuing education as a life time process.

Special programs might be developed. such as Juniors and Seniors in the Built Environment Cluster learning to rehab slum buildings; Natural Resources enthusiasts working with the Chicago Park District. planting trees every year. and maintaining the trees and parks in the summers. when there is no school; Health Care candidates helping in hospitals and with the elderly and day care centers; Education prospects tutoring slower student and those in lower grades. etc. The opportunities for meaningful hands-on-experiences are almost unlimited. "Busy hands are happy hands". is not just a famous quote - it is a reality. Financial support based on value of student accomplishments might be available in some cases. but viewed as a part of the educational process. compensation is equal to the value to the student of the skills and understanding acquired in the process. for which some pay. not get paid.

Entrepreneurship training is already contemplated for every Freshman in high school. a far cry from the many put-downs foisted on poor. minority students in Chicago. with the resultant diminished self-image.

Finally. with the network established for the eight graders. information can be sent to the students on a multitude of subjects and opportunities. with. of course. control by the Chicago Public Schools.

Chicago Careers for Youth
April 5. 1989

WHAT'S NEXT?

For students and teachers involved with the Chicago Careers for Youth Program. it is hoped that this will help you understand this program. Your criticisms. suggestions and experiences are welcome.

For those students. teachers. parents and administrators interested in starting a program. your phone call or letter is welcome.

For businesses. trade associations. professional societies. Rotary clubs. and individuals interested in starting a Careers for Youth program. or in working with the Chicago program. your help is needed. Call!

For those who would like to support the program. your help is needed also.

Chicago Careers for Youth
Doris Odem (312) 890-8878
John P. Gnaedinger (312) 272-6520

P.S. Chicago Careers for Youth received a Presidential Citation for Private Sector initiatives in September. 1988.

Mr. John P. Gnaedinger
c/o STS Consultants. Ltd.
111 Pfingsten Road
Northbrook. Illinois 60062

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PRESIDENT'S CITATION PROGRAM
FOR PRIVATE SECTOR INITIATIVES

August 5, 1988

John P. Gnaedinger
Chairman
STS Consultants, Ltd.
111 Pfingsten Road
Northbrook, IL 60062

Dear Mr. Gnaedinger:

Congratulations! It gives me great pleasure to notify you on behalf of the Awards Committee for the President's Citation Program for Private Sector Initiatives that your organization has been selected to receive a 1988 Presidential Citation for Private Sector Initiatives for your "CHICAGO CAREERS FOR YOUTH" program. You can be very proud because only 70 of the 1,100 entries in this year's program will receive this recognition.

You are invited to attend a reception and a White House event honoring outstanding commitment to voluntary community outreach on September 28-29, 1988. On Thursday, September 29, you will be invited to the White House for a symposium entitled "Excellence in Private Sector Initiatives: A Presidential Challenge". This event will begin at 9:30 a.m. and conclude at noon. Due to space considerations, no guest will be permitted to attend.

On Wednesday, September 28, the Awards Committee will be hosting a reception honoring the winners of the 1988 Awards and Citations. Your citation will be presented at this event. This reception will run between 6:00 p.m. - 9:00 p.m. at a location to be announced. Please feel free to bring a guest to the reception.

Since the Awards Committee received over 1,100 applications for recognition under the Citation Program this year. The selection of 30 organizations to receive Presidential Awards and 70 organizations to receive Presidential Citations was especially difficult. I hope you will use this opportunity to publicize your own efforts and to spread the good word about Private Sector Initiatives.

Again, congratulations! We will be sending you additional information as we get closer to the event. If you have any questions, please contact Eric Johnson at (202) 626-2791.

Sincerely,

R. William Taylor, CAE
Chairman, Awards Committee

cc: Doris J. Odem, Chicago Board of Education

PRESIDENT'S CITATION PROGRAM FOR PRIVATE SECTOR INITIATIVES

The President of the United States of America

Awards this

CITATION

To

"Chicago Careers for Youth"

a program of

Chicago Careers for Youth Foundation

and Chicago Board of Education

for outstanding service to the community
and finding
innovative private solutions to public problems

The White House
Washington, D.C.
September 20, 1988

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STATE OF ILLINOIS
EIGHTY-FIFTH GENERAL ASSEMBLY
SENATE

Senate Resolution No. 1440

Offered by Senator Roger A. Keats

WHEREAS, It has come to the attention of this Body that John Gnaedinger of Kenilworth was the recipient of the 1988 Presidential Citation for Private Sector Initiatives; and

WHEREAS, One of over 1,000 applicants which met the program requirements, John Gnaedinger's firm was one of 70 businesses and organizations which received the citation; and

WHEREAS, John Gnaedinger was honored for his role in the Chicago Careers For Youth Program, which was launched at 126 public elementary schools in Chicago; and

WHEREAS, The program was initiated in conjunction with the Bureau of Community Resource Programs, while the program originated in 1969; and

WHEREAS, The program began in 1975 when they rehabbed four two-flat houses with kids from the Industrial Skill Center, a subsidiary of the Chicago Public School System; and

WHEREAS, The State asked John Gnaedinger to develop a program for all students in the Chicago Public system, and provided some funding for the program; and

WHEREAS, In conjunction with the program, business professionals visit elementary schools to talk to students about careers; and

WHEREAS, Last year 43 businesses participated in career day, and this year 146 businesses are participating; and

WHEREAS, A network has been established through which the professionals involved in career days keep in contact with students through high school, including helping them get part-time and summer jobs; therefore, be it

RESOLVED, BY THE SENATE OF THE EIGHTY-FIFTH GENERAL ASSEMBLY OF THE STATE OF ILLINOIS, that we congratulate John Gnaedinger on receiving a Presidential Citation for Private Sector Initiatives; that we commend his commitment to his community; and that we extend our best wishes to him for continued success in the future; and be it further

RESOLVED, That a suitable copy of this preamble and resolution be presented to John Gnaedinger.

Adopted by the Senate, December 1, 1988.

Philip J. Rock
President of the Senate

Linda Hawker
Secretary of the Senate

so far this year.

Mark Targe of Wilmette has been named Midwest retail sales manager in the Chicago office of Knight-Ridder Newspaper Sales, Inc. He previously held advertising management posts with the Chicago Tribune and Chicago Sun-Times.

Nicholas J. Weir, 32, of Wilmette recently joined the Chicago office of Coopers & Lybrand as manager in the litigation and claims services practice. He provides trial lawyers and corporate counsel with expert witness testimony, damage claims analysis and review, economic/statistical studies, case management and forensic investigatory accounting.

Arthur Raviv of Wilmette, professor of finance at the J.L. Kellogg Graduate School of Management at Northwestern University, has been named to the newly endowed Alan E. Peterson Chair in Finance. The Peterson Chair is the result of a gift to Northwestern from the partners of Peterson & Co., a consulting firm that specializes in commercial disputes and litigation.

Careers for Youth is winning program

By Melanie Anderson

John Gnaedinger, of Kenilworth, chairman and founder of STS Consultants, Ltd. consulting engineers did what others only dream about when he went to the White House this fall to receive a 1988 Presidential Citation for Private Sector Initiatives.

The citation was established in 1984 in an attempt to recognize community participation--and volunteer-- service programs sponsored by businesses, trade associations, professional societies, and other private organizations.

This year over 1,000 applicants met the program requirements and were eligible for the citation. Gnaedinger's firm was one of 70 businesses and organizations received the citation.

Gnaedinger was honored for his role in the Chicago Careers For Youth program, which was launched at 126 Chicago public elementary schools this fall. Gnaedinger initiated the program in conjunction with The Bureau of Community Resource Programs, which arranges for speakers at teachers' request.

The idea for the program originated in 1969, while Gnaedinger was working with the Building Research Advisory Board in Washington, D.C., a subsidiary of the National Academy of Sciences.

As human resources chairman there, Gnaedinger uncovered problems in the building trade, one being racial discrimination. "The industry would not admit minorities. I thought that the best way to facilitate minority entry would be to start a training program with Chicago schools," he said

A program began in Chicago's Lawndale area in 1975. "We rehabbed four two-flat houses with kids from the Industrial Skill Center," a subsidiary of

(Continued on page 57)

John Gnaedinger

• Gnaedinger

Continued from page 42

the Chicago Public school system. "All of the kids were drop-outs, but after rehabbing buildings, half of those kids went to college," Gnaedinger said.

The state asked Gnaedinger to develop a program for all students in the Chicago Public System, and provided some funding for the program, including such materials as booklets and wall charts.

Under the program, business professionals visit elementary schools to talk to students about careers. Students attend 16 career days, each focusing on a specific job area, during their 6th and 7th grade years. The program exposes students to information about a variety of career choices. "This allows the students to make up their own minds," said Gnaedinger.

Some of the professions presented to students are education, health care, government service, finance and communications.

"We don't focus on blue collar jobs," Gnaedinger said. "This is the end of vocational education and the rebirth of career-oriented course work for all students."

Doris Odem, director of the Bureau of Community Resource Programs, joined Gnaedinger at the White House to accept the award. She describes Gnaedinger, "as one who helps to coordinate the program on the business side. He has done a tremendous job," she said.

Odem expressed the need for other businesses to get involved with the career motivating of Chicago public school students.

"Last year 43 businesses participated in career day, this year there are 146. We need people to get into the schools," said Odem.

A network has been established through which the professionals involved in career days keep in contact with students through high school, including helping them get part-time and summer jobs.

For information about the Careers for Youth program, contact John Gnaedinger at 272-6520 or Doris Odem at 890-8878.

• Equity

Continued from page 42

attractive finance rates on home equity accounts have created an incentive for consumers to use them, both for new borrowing and to repay debts carrying higher interest rates."

THE INTEREST RATES on most home equity loans, according to North Shore banking officials, are variable, based on shifts in the prime rate. According to the Federal Reserve

4/22/89

CHICAGO CAREERS FOR YOUTH

A Model Public/Private Partnership
for Educational Reform

Educational reform at the primary and secondary school levels is clearly one of this nation's highest priorities, and the challenges are substantial. We must prepare all of our students to be active participants in the economy - training a select few is not enough. The historic distinction between "vocational" and "academic" training is no longer meaningful, each must be fully integrated into the other. All this must be accomplished in the face of budgetary constraints. Every effort must be made to reallocate existing resources before new revenue sources are requested. Unfortunately, our public school system has been unable to meet this challenge.

Yet, in the school system once dubbed "the worst in the nation", a remarkable effort is in its early stages. Corporate and civic leaders are joining with state and local educators to transform the way that the Chicago Public Schools prepare students for their working lives. While many changes in Chicago and elsewhere have required changes in laws and a great deal of political squabbling, Chicago Careers for Youth (CCFY) is operating on a small grant from a local foundation, the dedicated volunteer effort of hundreds of business people, and the complete cooperation of the school administration. It is a public/private partnership of the most ideal form, one in which role models from the business world interact directly with all students in grades six through twelve.

Notable Features of Model

1) CCFY appears to be the only major effort to allow "vocational" instruction to mirror the structure of the economy; that is, organize it along sectorial lines. Most others organize around tasks (e.g., engine repair), occupational types (e.g., business management), or academic skills (e.g., mathematics).

2) CCFY is not a "magnet school" program. All high schools will develop at least one cluster focus -- most will develop two to four. This turns the notion of "selectivity" on its head. Schools won't get to select only the best students, students will select the schools that have programs that match their skills and interests. There will still be magnet schools and selective programs, but they will play a subordinate role to preparing the entire student population.

3) CCFY intentionally blurs lines between vocational and academic education. Rather than classifying students, the focus is on exposing each student to the range of opportunity available in each industry. The economy is demanding a mix of skills for all workers — managers who understand detail, workers who understand their role in an overall plan — the educational system must prepare both.

4) CCFY enhances the interaction between business and educators. Businesses will help make sure instruction is reasonably in line with economic realities, but professional educators will continue to teach and make sure that the broader goals of education are met.

The Principles

Chicago Careers for Youth is based on the following principles which are applicable to any system:

1) Career preparation must reach <u>all</u> of the students within the system.

2) The program should utilize <u>volunteers</u> from business, the professions and industry to the greatest possible degree, and be structured in such a way as to maximize the potential for the volunteers' to be seen as <u>role models</u> by the students.

3) Career options are organized using "clusters" of industries defined by the human needs they satisfy, (e.g., the "Hospitality Cluster" includes restaurants, hotels, etc.). Students are exposed to the full range of career options within that cluster.

4) All activity is focused on the <u>students' development</u>, so that each might achieve his/her highest potential. The fact that the businesses benefit from the improved preparation of the students is intentional, but should never be the driving force. Each student is a potential entrepreneur.

5) Academic education is more effective when it is infused with practical applications.

The Model

All activity is organized around 16 clusters of industry that were developed for the Illinois Department of Education:

Agriculture	Education	Health Care	Natural Resources
Arts, Culture	Energy	Hospitality	Personal/Bus. Services
Built Environ.	Finance	Insurance	Retail/Wholesale
Communications	Government	Manufacturing	Transportation

For each cluster, an advisory panel is formed that is made up of representatives from the relevant industries. This panel recruits volunteers to visit the schools, work on curriculum issues, develop policy for school/industry interation, and solicits funding and other assistance for the cluster's programs.

The school-based activity is thought of as having three phases:

1) Career Awareness — In the sixth grade, students will be visited by "role models" from half of the clusters and will view videotapes describing the range of occupations that are available. Teachers will have instructional materials available for follow-up. In the seventh grade, students will be visited by volunteers from the remaining eight clusters. Chicago Careers for Youth will develop modules that will be appropriate for use in the early grades. The awareness activities will be coordinated with academic courses emphasizing the relationship between the two.

2) Career Exploration — At the end of seventh grade, each student will select the cluster of greatest interest, and immediately be entered into a computerized network for that cluster. This will permit information on high schools — and later, on community colleges, trade schools, and universities — to be sent to the student's home; as well as information on interesting accomplishments and advances in the cluster, as well as internships, co-op programs, and job opportunities.

   In eighth grade, each student will attend a half-day program introducing the cluster of their choice. At these programs, a range of role models from the cluster will discuss their careers. Exhibits will be on hand regarding human needs served by jobs in the cluster, emphasizing exciting and new activities and accomplishments. Representatives from cluster high schools will be present to provide information on programs and facilities.

3) Career Development - The High School Phase — Three to nine high schools are being identified to focus on each cluster, with more than one cluster being represented at most high schools. Role models will continue to interact with the students in the career related classes. Each student will have a one term course which will focus on the various industries in the cluster. The high schools will present a cluster related curriculum which has been developed in cooperation with industry representatives. The cluster high school will allow businesses to identify students for part-time and summer jobs. They also provide a focal point for the recruiting efforts of community colleges, trade schools and universities.

Networking with the role models, and fellow students will lead to part-time and summer jobs, shadowing, mentorships, and opportunities for post-secondary education and jobs.

The Expected Results

The program will:

1) Attract new resources to the educational system by building an effective and ongoing business/education partnership.

2) Infuse academic subjects with relevance.

3) Improve students' proficiency in communicating ideas and working in teams, an increasing requirement in the workplace.

4) Encourage entrepreneurial curiosity.

5) Provide means for businesses to participate constructively in curricular discussions.

6) Allow students more real choice in pursuing interests.

7) Provide students with continuous information regarding education and employment within the clusters.

8) Expose students to the structure and operation of the economic system with their cluster as a model.

9) Educate students as to the full range of career opportunities within a given area of interest.

10) Facilitate the retraining and continuing development of teachers.

11) Provide students with a job network not present in many communities.

Future Opportunities

The model is not closed ended. Its only limitations are the ingenuity of the human mind, the commitment of its operators to the well-being of the students, and the depth of our commitment to the future.

"Your expectation of youngsters largely determine how they behave. They will never let you down. Treat them with high expectations, treat them with respect, and they will perform. Show them you expect them to be thugs and they will never disappoint you."

" The only true service to God is Service to man."

"Give a man a fish and he will live for a day.
Teach a man to fish and he will live for a lifetime."

"The only truly happy people are those helping others."

"Freedom With Responsibility" is a better characterization of the Win-Win "American Way" than "Freedom" alone, because it respects the Freedom of others.

"Arise! Awake! And stop not until the goal is reached."
Vivekananda

"Goal people are winners! Process people are losers! Set your goals as high as you can, never lose sight of them!"

"It is not who is right, but what is right that is important."

"Reform is the realization of the potential of every youngster in the Chicago Public Schools"
Joe Reed LQE

"The fault dear Brutus, lies not in our stars, but in ourselves, that we are underlings"

"Pity the man who knows the price of everything, and the value of nothing.

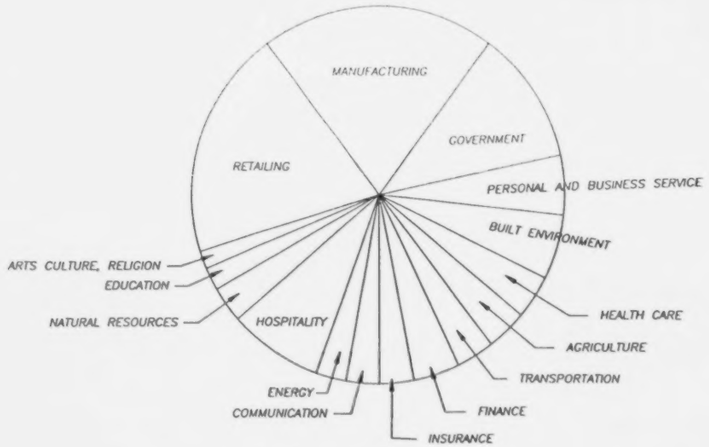
"Ad astra per aspera" (To the stars through difficulties.)

SIXTEEN CLUSTER PARTNERS FROM WORLD OF WORK

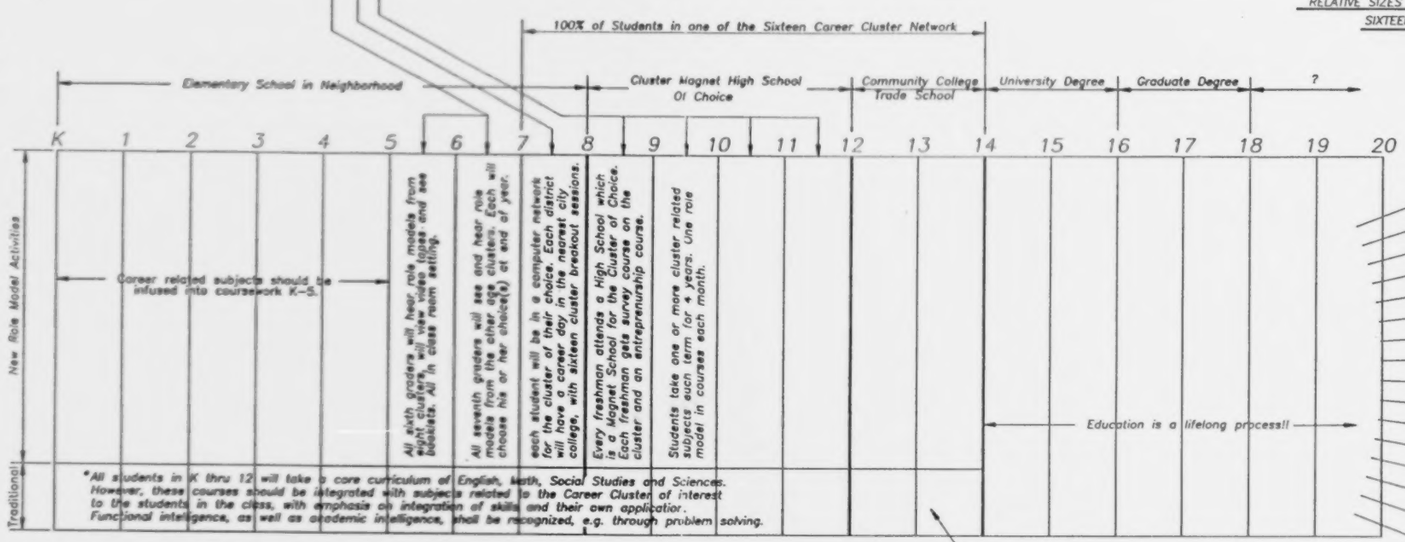
1. Provide Role Models for sixteen cluster awareness programs at every elementary school, sixth and seventh grades.

2. Provide Career Days in eight grade for each cluster, for only students have selected each cluster – Career Exploration. Follow career days with plant, office and site visits. Provide information on high schools focusing on each cluster, on community college and trade schools, and on university outdoes and degrees.

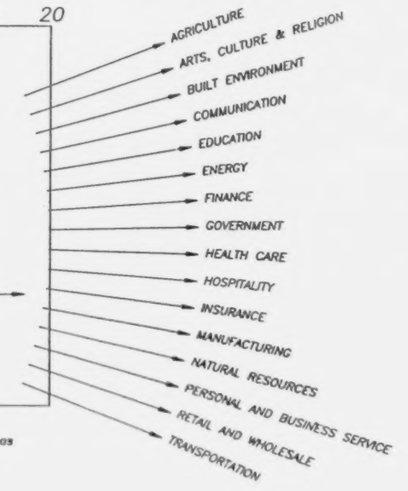
3. At High School focusing on their cluster, continue to provide role models monthly, assist as requested in curriculum and staffing help provide part-time, summer and on graduation, full-time jobs (high school or college grads) assist where possible with scholarships mentoring and summer training opportunities for faculty of high schools. Maintain network communications thru high school with students at their homes, to maximize parent involvement.



RELATIVE SIZES OF JOB MARKETS IN SIXTEEN CLUSTERS


100% of Students in one of the Sixteen Career Cluster Network
Elementary School in Neighborhood
Cluster Magnet High School Of Choice
Community College Trade School
University Degree
Graduate Degree
?
K 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
New Role Model Activities
Traditional
Career related subjects should be infused into coursework K-5.
All sixth graders will hear, role models from eight clusters, will view video tapes and see booklets. All in class room setting.
All seventh graders will see and hear role models from the other eight clusters. Each will choose his or her choice(s) at end of year.
each student will be in a computer network for the cluster of their choice. Each district will have a career day in the nearest city colleges, with sixteen cluster breakout sessions.
Every freshman attends a High School which is a Magnet School for the Cluster of Choice. Each freshman gets survey course on the cluster and an entrepreneurship course.
Students take one or more cluster related subjects each term for 4 years. One role model in courses each month.
Education is a lifelong process!!
*All students in K thru 12 will take a core curriculum of English, Math, Social Studies and Sciences. However, these courses should be integrated with subjects related to the Career Cluster of interest to the students in the class, with emphasis on integration of skills and their own application. Functional intelligence, as well as academic intelligence, shall be recognized, e.g. through problem solving.
Washburne Trade School is already functioning as a post-secondary school for the Hospitality, Built Environment and Transportation Clusters.

THE SIXTEEN CAREER CLUSTERS
Serving Human Needs



• Note that the proposed curriculum combines the preoccupations of those who urge "back to the basics", and those who favor tracking such as in the typical "vocational or college bound" tracks. It is relevant that the words "Career" and "Curriculum" have the same roots in Latin.

CHICAGO CAREERS FOR YOUTH – EVERY STUDENT'S VISION OF THE FUTURE – THROUGH EDUCATION

Chicago Board of Education Partner

1. Provide information to Cluster partner on Principals, Counsellors, Schools, Addresses and Phone Numbers, to permit scheduling of programs in 6th and 7th grades awareness programs.

2. Director of Vocational Education select Magnet High Schools for each Cluster, after discussions with Principals and key vocational teachers.

3. Appropriate CPS Director set up computer network, or modify existing student data base, to show Career Cluster selected by each and every seventh grade student, including career orientated courses taken each year, as well as academic courses. Information on career related high school and post-secondary educational opportunities to be sent to every eight grader, through high school at the student's home to involve the parents. Information on jobs, and exciting activities in each cluster, also to be sent.

The essential purpose of every business should be to SERVE HUMAN NEEDS, as determined in a free market, not just to make a profit. If the business produces the goods or services with quality and efficiency, it will, hopefully, EARN a profit.

FOR INFORMATION CALL
JOHN P. GNAEDINGER
708-272-6520
111 PFINGSTEN ROAD
NORTHBROOK, IL 60062

Supported by the Joyce Foundation

"We must face the truth: the quality of the early school years is critical to later academic and career choice. When those of us in higher education discuss the problem of underrepresentation of minorities in the quantitative disciplines, we must raise our sights to the elementary school levels and earlier years: we must look to the home; we must examine the role models we provide; the encouragement we give and the performance we expect."
Dr. Stanley Ikenberry Pres. U.of Ill.

STS Consultants Ltd.
Consulting Engineers

CHRONOLOGY OF ACTIVITIES

CHICAGO CAREERS FOR YOUTH

NO	DESCRIPTION	DATE	BY
2	REVISED 11-17-89		
1	REVISED 10-3-89		

REVISIONS

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Career Cluster - Agriculture, Farmer

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Machine Shop
Elective Wood Shop
Elective Auto Mechanics
Elective General Metals Shop
Elective Agriculture Food Service

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed. (2 semesters)
Elective Machine Repair
Elective Accounting
Elective Clerical Bookkeeping
Elective Typing
Elective Computer/Word Processing

Sophomore Year

Soph. English (2 semesters)
Science (2 semesters) optional Biology
Soph. Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Agriculture Career Leadership
Elective Agricultural Business
Elective Agricultural Applications

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Agriculture SOEP
Elective Landscape Design
Elective Foods
Elective Bio-Chemical Biology
Elective Environmental Science

All Foreign Language

Career Cluster - Agriculture - Fertilizer & Minerals Advisor

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Typing
Elective Computer Ed/Word Processing
Elective Chemistry
Elective Environmental Science
Elective Agricultural Science

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Botany
Elective Bio-Chemical Biology
Elective Chemical Techniques
Elective Horticulture
Elective Energy of Nature

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Biology
Elective Future Studies
Elective Data Processing Applications

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Horticultural Science
Elective Landscape Design
Elective Agricultural Business
Elective Agriculture Career Leadership
Elective Agricultural

Foreign Language

Career Cluster - Agriculture, Business Salesman

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Agricultural Food Service
Elective Accounting
Elective Computer/Word Processing
Elective Agricultural Business
Elective Agricultural Careers Leadership

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Environmental Science
Elective Bio-Chemistry
Elective Future Studies
Elective Statistics
Elective Clerical Bookkeeping

Sophomore Year

Soph. English (2 semesters)
Science (2 semesters) optional
Soph. Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Aggr & Food Science
Elective Foods
Elective Horticultural Science

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Agricultural Applications
Elective Energy of Nature
Elective Industrial Communications
Elective Typing
Elective Foreign Language

Foreign Language

Career Cluster - Arts, Culture, and Religion - Archaeologist

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Typing
Elective Computer/Word Processing
Elective Data Processing
Elective Art Appreciation
Elective Humanities

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Music Appreciation
Elective Creative Writing
Elective Museum Science
Elective Terban Studies
Elective Cultural History

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective World Literature
Elective Anthropology
Elective Biology

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Botany
Elective Asian History
Elective African History
Elective Mexican History
Elective Journalism

Foreign Language

Career Cluster - Arts, Culture and Religion - Musician/Band Director/Chorus
Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Music Appreciation
Elective Humanities
Elective Music Literature
Elective Music Theory
Elective Computer/Word Processing

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Boys/Girls Chorus
Elective Intermediate Band
Elective Instrumental Music
Elective Counterpoint
Elective Jazz Band

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Music Harmony
Elective Intermed. Mixed Chorus
Elective Begin Electronic Music

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Advanced Band
Elective Performing Arts
Elective Ensemble Workshop
Elective Music Major
Elective Drama

Foreign Language

Career Cluster - Arts, Culture and Religion - Artist

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective History of Art
Elective Art
Elective Studies Drawing/Painting
Elective Painting

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Studies Print Making
Elective Art Appreciation
Elective Studies Jewelry
Elective Fashion Design
Elective Studies Sculpture

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Fine Art Photography
Elective Humanities
Elective Drawing Portfolios

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Commercial Art
Elective Animated Film Making
Elective Graphic Arts
Elective Typing
Elective Clerical Bookkeeping

Foreign Language

Career Cluster - Built Environment, Surveyor

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Physics
Elective Principles of Technology
Elective Environmental Education

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Urban Studies
Elective Earth Science
Elective Chemistry
Elective Botany
Elective Geometry

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Trigonometry
Elective Calculus
Elective Math/Analysis/Mechanics

Senior Year

Sr Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Drafting
Elective Industrial Arts
Elective Botany
Elective Practical Mechanics
Elective Future Studies

Foreign Language

Career Cluster - Built Environment, Construction

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Manual Communications
Elective Machine Shop
Elective Plumbing Shop

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Business English
Elective Business Math
Elective Air Condition/Heating
Elective Brick Masonry Shop
Elective Wood Shop

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Industrial Arts
Elective Drafting
Elective Blue Print Reading

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Structural Steel Drafting
Elective Adv. Graphic Arts
Elective Computer Graphics
Elective Industrial Communications
Elective World Construction

Foreign Language

Career Cluster - Built Environment, Carpenter

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Manual Communications
Elective Industrial Arts
Elective Drafting
Elective Computer/Word Processing
Elective Typing

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Business Math
Elective Business English
Elective Machine Shop
Elective Carpentry
Elective Math Analysis/Mechanics

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Driver Education (1 semester)
Elective Wood Shop
Elective Electronics
Elective Graphic Arts

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Blue Print Reading
Elective Production Cabinet Making
Elective General Shop Metals
Elective Design Drafting
Elective World of Construction

Foreign Language

Career Cluster - Communications, Newspaper Editor

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Creative Writing
Elective Journalism/Speech
Elective Writing Workshop

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective News Editing
Elective Humanities
Elective Speedwriting
Elective Radio/TV Broadcasting
Elective Reading/Oral Communications

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective 20th Century Issues
Elective Future Studies
Elective Visual Communications

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Urban Studies
Elective Statistics
Elective Asian History
Elective World History
Elective Industrial Communications

Foreign Language

Career Cluster - Communications, Salesman/Saleswoman

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Business Math
Elective Computer/Word Processing
Elective Typing
Elective Speech
Elective Salesmanship

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Reading/Oral Communications
Elective Data Processing
Elective Communications Reproduction
Elective Visual Communications
Elective Creative Writing

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Business English
Elective Future Studies
Elective Statistics

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Information Processing
Elective Humanities
Elective Accounting
Elective Clerical Bookkeeping
Elective 20th Century Issues

Foreign Language

Career Cluster - Communications, Secretary

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Business English
Elective Business Math
Elective Computer/Word Processing
Elective Typing
Elective Office Practices

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Creative Writing
Elective Humanities
Elective Gregg Shorthand
Elective Clerical Bookkeeping

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Writing Workshop
Elective Oral Communications
Elective Communications Reproduction

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Future Studies
Elective 20th Century Issues
Elective Speech
Elective Speedwriting
Elective Visual Communications

Foreign Language

Career Cluster - Education, Industrial Arts Teacher

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Business Math
Elective Industrial Arts
Elective Wood Shop

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Electronics
Elective Metal Shop
Elective Plastic Shop
Elective Masonry Shop
Elective Plaster Shop

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Future Studies
Elective Calculus
Elective Electrical Shop

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Business English
Elective 20th Century Issues
Elective Trigonometry
Elective Welding Shop
Elective Principles of Technology

Foreign Language

Career Cluster - Education, Math Teacher (High School)

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Humanities
Elective Critical Thinking
Elective Business Math

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Geometry
Elective Advanced Algebra
Elective Chemistry
Elective Creative Writing
Elective Data Processing

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Calculus
Elective Modern European History
Elective Electronics

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective 20th Century Issues
Elective Statistics
Elective Urban Studies
Elective Trigonometry
Elective Accounting

Foreign Language

Career Cluster - Education, Teacher (Elementary)

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective English Literature
Elective Writing Workshop
Elective Computer/Word Processing
Elective Typing
Elective Humanities

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective World Literature
Elective Creative Writing
Elective World History
Elective Critical Thinking
Elective Future Studies

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective World Geography
Elective Anthropology
Elective Chemistry

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Statistics
Elective 20th Century Issues
Elective Urban Studies
Elective Modern European History
Elective Adv. Algebra/Trigonometry

Foreign Language

Career Cluster - Energy, Electrician

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Business Math
Elective Industrial Arts
Elective General Shop Metals

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Electrical Shop
Elective Drafting
Elective Humanities
Elective Machine Shop
Elective Graphic Arts

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Plastics Shop
Elective Welding Shop
Elective Sheet Metals Shop

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Business English
Elective Principles of Technology
Elective Practical Mechanics
Elective Practical Electricity
Elective Environmental Education

Foreign Language

Career Cluster - Energy, Lineman

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Business Math
Elective Drafting
Elective General Shop Metals
Elective Computer/Word Processing
Elective Typing

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Welding Shop
Elective Sheet Metals Shop
Elective Environmental Science
Elective Principles of Technology
Elective Practical Mechanics

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Practical Electricity
Elective Electronics
Elective Math Analysis/Mechanics

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Business English
Elective Electrical Shop
Elective Computer Physics
Elective Plastics Shop
Elective Electronics Engineering
Elective

Foreign Language

Career Cluster - Energy, Nuclear Energy Specialist
Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Chemistry
Elective Environmental Science
Elective Electronics

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Environmental Education
Elective Advanced Algebra
Elective Geometry
Elective Industrial Arts
Elective Statistics

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Trigonometry
Elective Humanities
Elective Bio-Chemical Biology

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Future Studies
Elective Urban Studies
Elective Calculus
Elective Physics
Elective Chemical Technology

Foreign Language

Career Cluster - Finance, Bookkeeper

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Business Math
Elective Humanities
Elective Oral Communications/Speech

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Accounting
Elective Office Management
Elective Writing Workshop
Elective Advanced Algebra
Elective Geometry

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Statistics
Elective Data Processing
Elective Business Language

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Business English
Elective Future Studies
Elective Business Management
Elective Contemporary Amer. History
Elective Calculus

Foreign Language

Career Cluster - Finance, Banker

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Humanities
Elective Writing Workshop
Elective Speech

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Accounting
Elective International Relations
Elective Advanced Algebra
Elective Geometry
Elective Business Math

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Business Law
Elective Urban Studies
Elective Statistics

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Future Studies
Elective Emergency _____
Elective Business English
Elective Contemporary Amer. History
Elective Business Management

Foreign Language

Career Cluster - Finance, Board of Trade (Buyer)

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Humanities
Elective Oral Communications
Elective Urban Studies

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Advanced Algebra
Elective Emergency _____
Elective Geometry
Elective Data Processing
Elective Business Management

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Statistics
Elective Trigonometry
Elective Business Law

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective International Relations
Elective Calculus
Elective Future Studies
Elective Contemporary Amer. History
Elective Analysis Geometry

Foreign Language

Career Cluster - Government, Elected Official

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Humanities
Elective Speech
Elective Community Civics

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Urban Studies
Elective Statistics
Elective Data Processing
Elective World History
Elective World Geography

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Emergency _____
Elective Law in American Society
Elective Asian History

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Political Science
Elective International Relations
Elective World Literature
Elective Latin American History
Elective Future Studies

Foreign Language

Career Cluster - Government, Civil Service Employee (Engineer)

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer Tech/Word Processing
Elective Typing
Elective Humanities
Elective Speech
Elective Writing Workshop

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Advanced Algebra
Elective Geometry
Elective Future Issues
Elective Electronics
Elective Industrial

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Trigonometry
Elective Statistics
Elective Graphic Design

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Calculus
Elective Physics
Elective 20th Century Issues
Elective Data Processing
Elective World History

Foreign Language

Career Cluster - Government, Military Career

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Writing Workshop
Elective Speech
Elective Humanities

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Data Processing
Elective World Literature
Elective Accounting
Elective Political Science
Elective Future Studies

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective World History
Elective International Relations
Elective Statistics

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective 20th Century Issues
Elective Asian History
Elective Latin American History
Elective Emergency _____
Elective Information Processing

Foreign Language

Career Cluster - Health Care, Doctor

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Biology
Elective Writing Workshop
Elective Humanities

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Chemistry
Elective Speech
Elective Human Physiology
Elective Advanced Algebra
Elective Health Occupations

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Bio-Chemical Biology
Elective Child Care & Development
Elective Geometry

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Operating Room Technology
Elective Medical Rev. Cln Exp.
Elective Medical Assistance
Elective Business Math
Elective Occupational Therapy

Foreign Language

Career Cluster - Health Care, Hospital Receptionist

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Office Management
Elective Speech
Elective Humanities

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Advanced Algebra
Elective Business Machines
Elective Writing Workshop
Elective Geometry
Elective Medical Assistance

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Clerical Bookkeeping
Elective Data Processing
Elective Urban Studies

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Business Math
Elective Future Studies
Elective Health Occupations
Elective Accounting
Elective Gregg Shorthand

Foreign Language

Career Cluster - Health Care, Nurse

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Biology
Elective Humanities
Elective Speech

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Chemistry
Elective Pr. Nursing Theory
Elective Human Physiology
Elective Medical Rec. Tran. Cl.

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Private Nursing
Elective Medical Rev. Cln Exp
Elective Health Occupations

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Operating Room Technology
Elective Statistics
Elective Child Care & Development
Elective Medical Assistance
Elective Diet Therapy

Foreign Language

Career Cluster - Hospitality, Reservations Operations

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Humanities
Elective Speech
Elective Clerical Bookkeeping

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Business Machines
Elective Advanced Algebra
Elective Geometry
Elective Oral Communications
Elective Vocational Hotel Mgmt.

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Data Processing
Elective Accounting
Elective Theatrical Arts/Drama

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Business Math
Elective Hotel & Restaurant Mgmt.
Elective Business English
Elective International Relations
Elective Future Studies

Foreign Language

Career Cluster - Hospitality, Motel Manager

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Humanities
Elective Speech
Elective Foods

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Writing Workshop
Elective Landscape Design
Elective Advanced Algebra
Elective Voc. Hotel Management
Elective Home Economics
Elective Career Exploration

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Interior Design
Elective Geometry
Elective Home Economics Lab.

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Business Math
Elective Food Service
Elective Business Law
Elective Hotel & Restaurant Mgmt.
Elective Business Machines

Foreign Language

Career Cluster - Hospitality, Restaurant

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Humanities
Elective Foods
Elective Speech

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Writing Workshop
Elective Home Economics Lab.
Elective Graphic Arts Design
Elective Botany
Elective Data Processing

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Accounting
Elective Occ. Food Service
Elective Vocational Hotel Mgmt.

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Business Math
Elective Hotel & Restaurant Mgmt.
Elective Coll. Prep. Home Economics
Elective Clerical Bookkeeping
Elective Food Service

Foreign Language

Career Cluster - Insurance, Underwriter

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Humanities
Elective Business Law
Elective Speech/Oral Communications

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Chemistry
Elective Advanced Algebra
Elective Geometry
Elective Business Machines
Elective Data Processing

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Trigonometry
Elective Future Issues
Elective Statistics

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Calculus
Elective 20th Century Issues
Elective Modern American History
Elective Information Processing
Elective Advanced Chemistry

Foreign Language

Career Cluster - Insurance, Adjuster

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Humanities
Elective Industrial Arts

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Advanced Algebra
Elective Geometry
Elective Business Management
Elective Data Processing
Elective Principles of Technology

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Trigonometry
Elective Future Issues
Elective Statistics

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Calculus
Elective 20th Century Issues
Elective Modern American History
Elective Advanced Chemistry
Elective Math Analysis/Mechanics

Foreign Language

Career Cluster - Insurance, Salesman

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Humanities
Elective Oral Communications/Speech
Elective Clerical Bookkeeping

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Advanced Algebra
Elective Geometry
Elective Data Processing
Elective Accounting
Elective Business Management

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Urban Studies
Elective Calculus
Elective Statistics

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Future Issues
Elective 20th Century Issues
Elective Business Law
Elective Information Processing
Elective Modern American History

Foreign Language

Career Cluster - Manufacturing, Owner of Business (Cutter & Molds)

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Humanities
Elective Speech/Oral Communications
Elective World of Manufacturing

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Advanced Algebra
Elective Geometry
Elective Machine Shop
Elective Drafting
Elective Math Analysis/Mechanics

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Industrial Arts
Elective Cast Metals
Elective Plastics Shop

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Sheet Metals Shop
Elective Business Law
Elective Electronics
Elective Data Processing
Elective Machine Drafting

Foreign Language

Career Cluster - Manufacturing, Structural Steel

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Humanities
Elective Speech/Oral Communications
Elective Industrial Arts

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Shop Survey
Elective Machine Repair
Elective Cast Metals
Elective Machine Shop
Elective Sheet Metals Shop

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Industrial Production
Elective World of Manufacturing
Elective Drafting

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Business Math
Elective Business English
Elective Structural Steel Manuf.
Elective Future Issues
Elective International Relations

Foreign Language

Career Cluster - Manufacturing, Welder

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Humanities
Elective Speech/Oral Communications
Elective World of Manufacturing

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective General Shop Metals
Elective Industrial Arts
Elective Shop Mathematics
Elective Welding Shop
Elective Industrial Machine Repair

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Drafting
Elective Cast Metals
Elective Machine Shop

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Sheet Metal Shop
Elective Business English
Elective Auto Body Shop
Elective Math Analysis/Mechanics
Elective Machine Drafting

Foreign Language

Career Cluster - Natural Resources, Forest Ranger

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Humanities
Elective Earth Science
Elective Aquatic Science

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Botany
Elective Environmental Science
Elective Chemistry
Elective Photography Lab
Elective Speech

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Zoology
Elective Graphic Arts
Elective Statistics

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Bio-Chemical Biology
Elective Horticulture Science
Elective 20th Century Issues
Elective Data Processing
Elective Future Issues

Foreign Language

Career Cluster - Natural Resources, Park Manager

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Humanities
Elective Earth Science
Elective Aquatic Science

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Botany
Elective Speech
Elective Chemistry
Elective Horticulture
Elective Environmental Science

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Future Issues
Elective Accounting
Elective Statistics

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Business Law
Elective Zoology
Elective Advanced Biology
Elective 20th Century Issues
Elective Anthropology

Foreign Language

Career Cluster - Natural Resources, Naturalist

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Humanities
Elective Aquatic Science
Elective Earth Science

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Botany
Elective Speech
Elective Chemistry
Elective Horticultural Science
Elective Environmental Science

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Anthropology
Elective Statistics
Elective Future Issues

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Zoology
Elective Advanced Biology
Elective Photography Lab
Elective 20th Century Issues
Elective Data Processing

Foreign Language

Career Cluster - Personal & Business, Dentist

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Humanities
Elective Speech/Oral Communications
Elective Biology

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Human Physiology
Elective Chemistry
Elective Health Occupations
Elective Accounting
Elective Child Care & Development

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Business Math
Elective Office Management
Elective Human Physiology

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Business Law
Elective Bio-Chemical Biology
Elective Future Issues
Elective Modern American History
Elective 20th Century Issues

Foreign Language

Career Cluster - Personal & Business, Lawyer

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Humanities
Elective Speech/Oral Communications
Elective Drama

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Business Law
Elective Accounting
Elective International Relations
Elective Urban Studies
Elective Statistics

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Clerical Bookkeeping
Elective Intro to Business
Elective Business English

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Future Issues
Elective Modern American History
Elective Law In American Society
Elective 20th Century Issues

Foreign Language

Career Cluster - Personal & Business, Accountant

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Humanities
Elective Speech/Oral Communications
Elective Clerical Bookkeeping

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Accounting
Elective Geometry
Elective Urban Studies
Elective Data Processing
Elective Calculus

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Statistics
Elective International Relations
Elective Trigonometry

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Business Math
Elective Business Law
Elective Future Issues
Elective Modern American History
Elective 20th Century Issues

Foreign Language

Career Cluster - Retail/Wholesaling, Florist

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Humanities
Elective Speech/Oral Communications
Elective Horticulture

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Accounting
Elective Business Machines
Elective Botany
Elective Visual Communications
Elective Art Appreciation

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Clerical Bookkeeping
Elective Graphic Design
Elective Business English

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Future Studies
Elective Data Processing
Elective Statistics
Elective Graphic Arts
Elective 20th Century Issues

Foreign Language

Career Cluster - Retail/Wholesaling, _____ Operation

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Humanities
Elective Speech/Oral Communications
Elective Auto Body

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Accounting
Elective Industrial Arts
Elective Electricity
Elective Shop Mathematics
Elective Practical Mechanics

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Clerical Bookkeeping
Elective Intro to Business
Elective Auto Mechanics

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Statistics
Elective Data Processing
Elective Business English
Elective Math Analysis/Mechanics
Elective Future Issues
Elective

Foreign Language

Career Cluster - Retail/Wholesaling, Grocer

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Humanities
Elective Speech/Oral Communications
Elective Foods

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Statistics
Elective Business Machines
Elective Accounting
Elective Future Issues

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Clerical Bookkeeping
Elective Intro to Business
Elective Business English

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Business Law
Elective Aggr & Food Service
Elective 20th Century Issues
Elective Data Processing
Elective Modern American History

Foreign Language

Career Cluster - Transportation, Pilot

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Humanities
Elective Speech/Oral Communications
Elective General Aviation Shop

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Aviation Air _____
Elective Calculus
Elective Statistics
Elective International Relations
Elective Environmental Science

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Aviation Power Plant
Elective Electronics
Elective Astronomy

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Flight Train/Ground Control
Elective Trigonometry
Elective Data Processing
Elective Future Studies
Elective Modern American History

Foreign Language

Career Cluster - Transportation, Highway Dept. Engineer

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Humanities
Elective Speech/Oral Communications
Elective General Machine Shop

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Welding Shop
Elective Design Drafting
Elective Statistics
Elective Principles of Technology
Elective Environmental Science

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective General Shop Metals
Elective Electronics
Elective Drafting

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Future Issues
Elective 20th Century Issues
Elective Urban Studies
Elective Math Analysis/Mechanics
Elective Modern American History

Foreign Language

Career Cluster - Transportation, Aeronautical Engineer

Four Year Program Chart (Optional)

Freshman Year

Frosh English (2 semesters)
Math (2 semesters) optional
Frosh Physical Ed (2 semesters)
Social Studies (2 semesters) optional
Elective Computer/Word Processing
Elective Typing
Elective Humanities
Elective Speech/Oral Communications
Elective General Aviation Shop

Junior Year

Junior English (2 semesters)
U.S. History (2 semesters)
Jr. Physical Ed (2 semesters)
Elective Aviations Air Transp.
Elective Calculus
Elective Electronics
Elective Sheet Metals Shop
Elective Drafting

Sophomore Year

Soph English (2 semesters)
Science (2 semesters) optional
Soph Physical Ed (2 semesters)
Math (2 semesters) optional
Driver Education (1 semester)
Elective Aviation Power Plant
Elective Machine Shop
Elective Welding Shop

Senior Year

Sr. Physical Ed (2 semesters)
Consumer Ed (1 semester)
Elective Flight Train/Ground Control
Elective Graphic Arts
Elective Statistics
Elective Principles of Technology
Elective Environmental Science

Foreign Language